No. 07/810,782 filed December 19, 1991, now abandoned, which is a continuation-in-part application of U.S. Serial No. 07/677,211 filed March 29, 1991, now abandoned to which applications priority is claimed under 35 U.S.C. §120.--

On page 5, lines 30-33, please delete "Figs. 2a-2c (SEQ ID NO. 1) (hereinafter referred to collectively as Fig. 2) depicts the amino acid and nucleotide sequences of the IL-8 receptor cDNA insert from clone pRK5B.il8rl.1" and insert therefor --Figs. 2a-2c (hereinafter referred to collectively as Fig. 2) depict the amino acid (SEQ ID NO. 2) and nucleotide (SEQ ID NO. 1) sequences of the IL-8 receptor cDNA insert from clone pRK5B.il8rl.1.--

On page 6, lines 22-26, please delete "Figs. 4 (SEQ ID NO.2) and 5 (SEQ ID NO.3) depict the DNA and an imputed polypeptide sequences for two additional PF4AR members identified by probing lambda libraries from a human monocyte-like cell line (HL-60) and human PBLs using a large fragment of the IL-8 receptor DNA." and insert therefor

--Figs. 4a-c (hereinafter collectively referred to as Fig. 4) depict the DNA sequence (SEQ ID NO.3) and an imputed polypeptide sequence (SEQ ID NO.4) for an additional chemokine superfamily receptor identified by probing lambda libraries from a human monocyte-like cell line (HL-60) and human PBLs using a large fragment of the IL-8 receptor DNA.

Figs. 5a-c (hereinafter collectively referred to as Fig. 5) depict the DNA sequence (SEQ ID NO. 5) and an imputed polypeptide sequence (SEQ ID NO.6) for yet another chemokine superfamily receptor identified by probing lambda libraries from a human monocyte-like cell line (HL-60) and human PBLs using a large fragment of the IL-8 receptor DNA.--

Please amend the specification by replacing the original Sequence Listing pages 78-88 with the attached revised Sequence Listing as pages 78-88.

IN THE CLAIMS:

Please cancel claims 1-19, without prejudice.

Please add the following claims:

--20. An isolated nucleic acid molecule encoding a platelet factor 4 superfamily receptor (PF4AR) polypeptide comprising a stretch of at least 10 contiguous amino acid residues selected from an extracellular region of a receptor polypeptide having the amino acid sequence of Fig. 4 (SEQ ID NO. 4).

21. The nucleic acid molecule of claim 20 wherein the extracellular region is the N-terminal extracellular region.

22. The nucleic acid molecule of claim 20 wherein the PF4AR polypeptide comprises an amino acid sequence spanning an extracellular region of a receptor polypeptide having the amino acid sequence of Fig. 4 (SEQ ID NO. 4).

23. The nucleic acid molecule of claim 22 wherein the extracellular region is the N-terminal extracellular region.

24. The nucleic acid molecule of claim 20 wherein the PF4AR polypeptide comprises the amino acid sequence of Fig. 4 (SEQ ID NO. 4).

25. A DNA molecule comprising a stretch of at least about 45 contiguous nucleotides selected from or complementary to the DNA sequence of Fig. 4 (SEQ ID NO. 3).

26. The DNA molecule of claim 25 comprising the DNA sequence of Fig. 4 (SEQ ID NO. 3) or its complement.

27. The nucleic acid molecule of claim 20 operably linked to a promoter.

28. An expression vector comprising the nucleic acid molecule of claim 20 operably linked to control sequences recognized by a host cell transformed with the vector.

29. A host cell transformed with the vector of claim 28.

30. A method of using the nucleic acid molecule of claim 20 for the expression of the PF4AR polypeptide encoded by the nucleic acid molecule, comprising culturing a host cell transformed with a vector comprising the nucleic acid molecule operably linked to control sequences recognized by the host cell under conditions that allow expression of the polypeptide.

31. The method of claim 30 further comprising recovering the polypeptide from the host cell.

32. A method for determining the presence or absence of a platelet factor 4 superfamily receptor (PF4AR) nucleic acid in a sample, comprising the steps of:

(a) selecting a probe comprising at least 20 contiguous nucleotides selected from the nucleic acid sequence of Fig. 4 (SEQ ID NO. 3) or at least 20 contiguous nucleotides complementary to the nucleic acid sequence of Fig. 4 (SEQ ID NO. 3),

(b) hybridizing the probe to any PF4AR nucleic acid present in the sample to form a probe/PF4AR nucleic acid complex,

(c) detecting the presence or absence of the probe/PF4AR nucleic acid complex in the sample, and

(d) determining the presence or absence of PF4AR nucleic acid in the sample based on the result of step (c).

33. A method of amplifying a platelet factor 4 superfamily receptor (PF4AR) single stranded nucleic acid in a sample, comprising the steps of: